

UNCLASSIFIED
EXHIBIT R-2, FY 2001 RDT&E,N BUDGET ITEM JUSTIFICATION SHEET

DATE: February 2000

BUDGET ACTIVITY: 5

PROGRAM ELEMENT: 0604312N

PROGRAM ELEMENT TITLE: Tri-Service Standoff Attack Missile (TSSAM)

(U) COST: (Dollars in Thousands)

<u>Project Number & Title</u>	<u>FY 1999 Actuals</u>	<u>FY 2000 Budget</u>	<u>FY 2001 Estimate</u>	<u>FY 2002 Estimate</u>	<u>FY 2003 Estimate</u>	<u>FY 2004 Estimate</u>	<u>FY 2005 Estimate</u>	<u>To Complete</u>	<u>Total Program</u>
<u>E2242 Joint Air to Surface Standoff Missile (JASSM)</u>									
TOTAL	1,758	2,009	2,024	1,986	0	0	0	0	13,025

Quantity of RDT&E Articles Not Applicable

(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The Joint Air to Surface Standoff Missile (JASSM) program is a FY-96 new start follow-on weapon system to the canceled Tri-Service Standoff Attack Missile (TSSAM). It is a joint Air Force/Navy program. JASSM is a long range, conventional air-to-surface, autonomous precision guided, standoff cruise missile compatible with fighter and bomber aircraft and able to attack a variety of fixed and relocatable targets. JASSM will carry a 1,000 pound class penetrator warhead. Initial integration efforts will be on the B-52 and F-16. The F/A 18 E/F, C/D, F-14, S-3, and P-3 are currently designated as Navy objective platforms for JASSM. Carrier Operability is one of the Key Performance Parameters (KPP) for JASSM. The FY99-02 Navy budget covers only the cost of Navy unique testing required to meet the Carrier Operability KPP.

(U) JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under ENGINEERING and MANUFACTURING DEVELOPMENT because it encompasses engineering and manufacturing development of new end-items prior to production approval decision.

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EXHIBIT R-2a, FY 2001 RDT&E,N BUDGET PROJECT JUSTIFICATION SHEET

DATE: February 2000

BUDGET ACTIVITY: 5 **PROGRAM ELEMENT: 0604312N**
PROGRAM ELEMENT TITLE: TSSAM

PROJECT NUMBER: E2242
PROJECT TITLE: JASSM

(U) COST: (Dollars in Thousands)

<u>Project Number & Title</u>	<u>FY 1999 Actual</u>	<u>FY 2000 Budget</u>	<u>FY 2001 Estimate</u>	<u>FY 2002 Estimate</u>	<u>FY 2003 Estimate</u>	<u>FY 2004 Estimate</u>	<u>FY 2005 Estimate</u>	<u>To Complete</u>	<u>Total Program</u>
<u>E2242 Joint Air to Surface Standoff Missile (JASSM)</u>									
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(U) PROGRAM ACCOMPLISHMENTS AND PLANS:

1. FY 1999 ACCOMPLISHMENTS:

- (U) (\$0 - Air Force funded) Completed Requirements for MS II and entered EMD (Nov 98).
- (U) (\$0 - Air Force funded) Launched first JASSM flight test vehicle (Apr 99).
- (U) (\$758) Initiated carrier operability and continued ship suitability testing.
- (U) (\$1,000) Funded Contractor CLIN 1002 for Navy Carrier Operability unique requirements

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2. (U) FY 2000 PLAN:

- (U) (\$2,009) Continued carrier operability and ship suitability testing requirements.

3. (U) FY 2001 PLAN:

- (U) (\$2,024) Continue carrier operability and ship suitability testing requirements.

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B. (U) PROGRAM CHANGE SUMMARY:

	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>
(U) FY 2000 President's Budget:	2,055	2,020	2,036
(U) Appropriated Value:	2,064		
(U) Adjustments from President's Budget:	-297	-11	-12
(U) FY 2001 President's Budget Submit	1,758	2,009	2,024

(U) CHANGE SUMMARY EXPLANATION:

(U) Funding: The FY 1999 net decrease of \$297 thousand reflects a decrease of \$20 thousand for a Small Business Innovation Research assessment; a decrease of \$268 thousand for a reprioritization of requirements within the Navy; and a decrease of \$9 thousand for an inflation adjustment. FY 2000 reflects a \$11 thousand decrease for an Across-the-Board Congressional rescission. The FY 2001 net decrease of \$12 thousand reflects a \$12 thousand decrease for reprioritization of requirements within the Navy; a decrease of \$14 thousand for revised economic assumptions; these decreases are partially offset by a \$10 thousand increase for the Navy Working Capital Fund Rates; and a \$4 thousand increase for Military/Civilian Pay Rates.

(U) Schedule: All schedules are JASSM joint service program changes and are not Navy specific. EMD began in Nov 1998 as scheduled; however, the Milestone II decision extends the EMD program by six months. EMD was extended to 40 months (initially 34 months); Low Rate Initial Production (LRIP) decision moved to Jan 2001 (initially July 2000); Milestone III moved to July 2002 (initially January 2002). Following the FTV-1 failure/analysis and concerns with some subcontractor hardware deliveries, the EMD program has gone through another modification. EMD has been extended an additional 10 months (50 total), LRIP award is now Nov 2001, and Milestone III is Feb 2003.

(U) Technical: All technical changes are JASSM joint service program changes and are not Navy specific. Major risk reduction activities resulting from the extension to EMD include additional aerodynamic tests and 2 additional powered/non-seeker test launches. In addition, risk reduction specifics include integration of the JASSM on the F-16 and B1/B2, as well as compliance with anti-tamper requirements and the upgrade of its mission planning capability to accommodate changes to intelligence applications and imagery.

C. (U) OTHER PROGRAM FUNDING SUMMARY: (Dollars in thousands)

	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>TO</u>	<u>TOTAL</u>
<u>Appn</u>	<u>Actual</u>	<u>Budget</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	<u>Program</u>
USAF,PAAF	0	0	0	42,922	50,476	101,761	145,417	868,852	1,209,428
Quantity			0	87	92	242	347	1,632	2,400

USAF, RDT&E: U.S. Air Force P.E. 0207325F (Joint Air to Surface Standoff Missile (JASSM))

<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>To</u>	<u>Total</u>
<u>Actual</u>	<u>Budget</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	<u>Program</u>

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121,146	164,425	120,281	68,795	37,188	9,135	5,988	0	879,051
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BUDGET ACTIVITY: 05

PROGRAM ELEMENT: 0604312N
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PROJECT TITLE: JASSM

(U) D. ACQUISITION STRATEGY:

(U) E. SCHEDULE PROFILE

Program Milestones	<u>FY 1999</u> 1Q/MSII	<u>FY 2000</u>	<u>FY 2001</u> 3Q/LRIP Decision	<u>To Complete</u> LRIP Awd / 1Q/03 MS III / 2Q/03
Engineering Milestones	FDR		2Q/B-52 Flight Cert	F-16 Flight Cert 1Q/04
T&E Milestones	FTV-1 & 2 Launch Begin DT/OT	1Q/FTV-3 Launch Continue DT/OT	1Q/IOT&E	
Contract Milestones	1Q/EMD			Lot I Delivery 2Q/03 Lot II Delivery 2Q/04 Lot III Delivery 2Q/05 Lot IV Delivery 2Q/06 Lot V Delivery 2Q/07

All milestone activities reflect JASSM programmatic milestones, not Navy specific events.

*LRIP quantities funded by USAF.

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EXHIBIT R-3, FY 2001 RDT&E,N COST ANALYSIS

DATE: February 2000

BUDGET ACTIVITY: 05

PROGRAM ELEMENT: 0604321N

PROJECT NUMBER: E2242

PROJECT TITLE: JASSM

<u>Cost Categories:</u>	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior Yrs Cost</u>	<u>FY 1999 Cost</u>	<u>FY 1999 Award Date</u>	<u>FY 2000 Cost</u>	<u>FY 2000 Award Date</u>	<u>FY 2001 Cost</u>	<u>FY 2001 Award Date</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
a) Product Development												
JASSM ANALYSIS OF ALTERNATIVES (AoA)/CARRIER OPERABILITY-SHIP SUITABILITY	WX	NAWC-WD	1,193	1,103	10/01/98	900	10/01/99	975	10/01/00	900	5,071	
SLAM-ER CARD DEV TO SUPT JASSM AoA	WX	NAWC-WD	300	0	N/A	0	N/A	0	N/A	0	300	
SLAM-ER/JASSM AoA SUPT. CARRIER OPERABILITY/SHIP SUITABILITY TESTING	SS/CPFF Misc	BOEING JASSM	1,600 2,155	0 655	N/A Misc	0 1,109	N/A Misc	0 1,049	N/A Misc	0 1,086	1,600 6,054	1,600
Subtotal Product Development			5,248	1,758		2,009		2,024		1,986	13,025	
Remarks: Work performed by PMA-258 was a one-time resource sponsor directed action for increased Navy participation in the JASSM Analysis of Alternatives process. PMA-258 conducted comparative analysis between JASSM and SLAM-ER. All efforts reflected in Product Development are in support of Carrier Operability development. This effort is Navy unique. All other JASSM efforts are being funded by the Air Force as the executive service. No aircraft integration efforts are funded in this line.												
b. Support	None											
Subtotal Support			0	0		0		0		0	0	
Remarks:												
c. Test & Evaluation	None											
Subtotal Test & Evaluation			0	0		0		0		0	0	
Remarks:												
d. Management	None											
Subtotal Management			0	0		0		0		0	0	
Remarks:												
Total Cost			5,248	1,758		2,009		2,024		1,986	13,025	

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